

# ABSTRACT

The invention is a filter device for removing water from sludges, slurries, or other suspensions, and may include a hydraulic press and/or a membrane and vacuum system for applying a pressure to the sludge or slurry, heating elements for  
5 heating and drying the sludge or slurry, vibrating elements for agitating the sludge or slurry, and air injectors for agitating and drying the sludge or slurry.

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